

Graph constructed successfully.

The graph has 10 vertices.

These vertices are

Vertex at index 0 = Surrey

Vertex at index 1 = Delta

Vertex at index 2 = New Westminster

Vertex at index 3 = Port Coquitlam

Vertex at index 4 = Richmond

Vertex at index 5 = Vancouver

Vertex at index 6 = Burnaby

Vertex at index 7 = Coquitlam

Vertex at index 8 = UBC

Vertex at index 9 = North Vancouver

Each vertex together with its edge set looks like as follows

Name = Surrey

Edge Set

to ---> 1, cost = 3

to ---> 2, cost = 3

to ---> 3, cost = 4

Name = Delta

Edge Set

to ---> 0, cost = 3

to ---> 4, cost = 4

to ---> 5, cost = 8

to ---> 2, cost = 4

Name = New Westminster

Edge Set

to ---> 0, cost = 3

to ---> 1, cost = 4

to ---> 4, cost = 6

to ---> 6, cost = 2

to ---> 3, cost = 5

Name = Port Coquitlam

Edge Set

to ---> 0, cost = 4

to ---> 2, cost = 5

to ---> 6, cost = 5

to ---> 7, cost = 2

Name = Richmond

Edge Set

to ---> 1, cost = 4

to ---> 2, cost = 6

to ---> 8, cost = 5

to ---> 5, cost = 4

to ---> 6, cost = 5

Name = Vancouver

Edge Set

to ---> 1, cost = 8

to ---> 4, cost = 4

to ---> 6, cost = 5

to ---> 7, cost = 7

to ---> 8, cost = 3

to ---> 9, cost = 2

Name = Burnaby

Edge Set

to ---> 2, cost = 2

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to ---> 3, cost = 5
to ---> 4, cost = 5
to ---> 5, cost = 5
to ---> 7, cost = 3

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Name = Coquitlam

Edge Set

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to ---> 3, cost = 2
to ---> 6, cost = 3
to ---> 5, cost = 7

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Name = UBC

Edge Set

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to ---> 4, cost = 5
to ---> 9, cost = 6
to ---> 5, cost = 3

```

Name = North Vancouver

Edge Set

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to ---> 8, cost = 6
to ---> 5, cost = 2

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The graph connectivities are as follows...

Surrey	Delta	3.00
Surrey	New Westminster	3.00
Surrey	Port Coquitlam	4.00
Delta	Surrey	3.00
Delta	Richmond	4.00
Delta	Vancouver	8.00
Delta	New Westminster	4.00
New Westminster	Surrey	3.00
New Westminster	Delta	4.00
New Westminster	Richmond	6.00
New Westminster	Burnaby	2.00
New Westminster	Port Coquitlam	5.00
Port Coquitlam	Surrey	4.00
Port Coquitlam	New Westminster	5.00
Port Coquitlam	Burnaby	5.00
Port Coquitlam	Coquitlam	2.00
Richmond	Delta	4.00
Richmond	New Westminster	6.00
Richmond	UBC	5.00
Richmond	Vancouver	4.00
Richmond	Burnaby	5.00
Vancouver	Delta	8.00
Vancouver	Richmond	4.00
Vancouver	Burnaby	5.00
Vancouver	Coquitlam	7.00
Vancouver	UBC	3.00
Vancouver	North Vancouver	2.00
Burnaby	New Westminster	2.00
Burnaby	Port Coquitlam	5.00
Burnaby	Richmond	5.00
Burnaby	Vancouver	5.00
Burnaby	Coquitlam	3.00
Coquitlam	Port Coquitlam	2.00
Coquitlam	Burnaby	3.00
Coquitlam	Vancouver	7.00
UBC	Richmond	5.00
UBC	North Vancouver	6.00
UBC	Vancouver	3.00
North Vancouver	UBC	6.00
North Vancouver	Vancouver	2.00

[illegible]

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[illegible]

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Path found: [UBC -> Vancouver -> Burnaby -> Richmond -> Delta -> Surrey -> New Westminster] with cost 23

Path found: [UBC -> Vancouver -> Burnaby -> Richmond -> Delta -> Surrey -> Port Coquitlam -> New Westminster] with cost 29

Path found: [UBC -> Vancouver -> Burnaby -> Richmond -> Delta -> New Westminster] with cost 21

Path found: [UBC -> Vancouver -> Burnaby -> Richmond -> New Westminster] with cost 19

Path found: [UBC -> Vancouver -> Burnaby -> Coquitlam -> Port Coquitlam -> Surrey -> Delta -> Richmond -> New Westminster] with cost 30

Path found: [UBC -> Vancouver -> Burnaby -> Coquitlam -> Port Coquitlam -> Surrey -> Delta -> New Westminster] with cost 24

Path found: [UBC -> Vancouver -> Burnaby -> Coquitlam -> Port Coquitlam -> Surrey -> New Westminster] with cost 20

Path found: [UBC -> Vancouver -> Burnaby -> Coquitlam -> Port Coquitlam -> New Westminster] with cost 18

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> Surrey -> Delta -> Richmond -> New Westminster] with cost 29

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> Surrey -> Delta -> Richmond -> Burnaby -> New Westminster] with cost 30

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> Surrey -> Delta -> New Westminster] with cost 23

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> Surrey -> New Westminster] with cost 19

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> New Westminster] with cost 17

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> Burnaby -> New Westminster] with cost 19

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> Burnaby -> Richmond -> Delta -> Surrey -> New Westminster] with cost 32

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> Burnaby -> Richmond -> Delta -> New Westminster] with cost 30

Path found: [UBC -> Vancouver -> Coquitlam -> Port Coquitlam -> Burnaby -> Richmond -> New Westminster] with cost 28

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> New Westminster] with cost 15

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> Port Coquitlam -> Surrey -> Delta -> Richmond -> New Westminster] with cost 35

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> Port Coquitlam -> Surrey -> Delta -> New Westminster] with cost 29

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> Port Coquitlam -> Surrey -> New Westminster] with cost 25

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> Port Coquitlam -> New Westminster] with cost 23

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> Richmond -> Delta -> Surrey -> New Westminster] with cost 28

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> Richmond -> Delta -> Surrey -> Port Coquitlam -> New Westminster] with cost 34

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> Richmond -> Delta -> New Westminster] with cost 26

Path found: [UBC -> Vancouver -> Coquitlam -> Burnaby -> Richmond -> New Westminster] with cost 24

Departure: UBC

Destination: New Westminster

The minimum cost path is: [UBC -> Vancouver -> Burnaby -> New Westminster] with cost = 10

Press any key to continue . . .